

Appl. No. 10/668,172
Amendment dated: March 24, 2006
Reply to OA of: October 24, 2005

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1(previously presented). A composite micro-structured sheet for diffusing and condensing light comprising a substrate having a top surface and a bottom surface, wherein a plurality of straight trenches with an arc cross-section is formed on the bottom surface for diffusing the incident light on the bottom surface, and a plurality of triangular-type protrusions is formed on the top surface for raising the semi-brightness angle of the light that has passed through the bottom surface, wherein an included angle between each straight trench with an arc cross-section and the respective triangular-type protrusion ranges from 30 to 90 degrees.

2(original). The composite micro-structured sheet as claimed in claim 1, wherein the substrate is made of polymethyl methacrylate (PMMA) or polycarbonate (PC).

3(previously presented). The composite micro-structured sheet as claimed in claim 1, wherein each straight trench with an arc cross-section is constructed of a concave pillar lens array.

Claim 4(canceled).

5(currently amended). The composite micro-structured sheet as claimed in claim 3, wherein the size and focal length of the lenses of ~~the convex pillar lens array or the~~ concave pillar lens array are all the same.

Claim 6(canceled).

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7(previously presented). The composite micro-structured sheet as claimed in claim 1, wherein the triangular-type protrusions are parallel to each other.

Claim 8(canceled).

9(previously presented). The composite micro-structured sheet as claimed in claim 1, wherein the included angle is 30 degrees.